## **EAST Search History**

## **EAST Search History (Prior Art)**

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	1	("6379821").PN.	US-PGPUB; USPAT	OR	OFF	2007/10/02 09:06
S2	1	Pct/jp04/16075.pct.	US-PGPUB; USPAT	ADJ	ON	2007/10/02 09:08
S3	663	148/325.ccls.	US-PGPUB; USPAT	ADJ	ON	2007/11/08 09:23
S4	99	148/909.ccls.	US-PGPUB; USPAT	ADJ	ON	2007/11/08 09:34
<b>S</b> 5	257	stainless steel and (C or carbon) same (Si or silicon) same (Mn or manganese) same (P or phosphorus) same (S or silicon) same (Cr or chromium) same (Ni or nickel) same (Mo or molybdenum) same (V or vanadium) same (N or nickel) same (O or oxygen)	US-PGPUB; USPAT	ADJ	ON	2007/11/08 09:36
S6	145	420/61.ccls.	US-PGPUB; USPAT	ADJ	ON	2007/11/08 09:40
S7	669	148/325.ccls.	US-PGPUB; USPAT	ADJ	ON	2008/04/23 16:09
S8	100	148/909.ccls.	US-PGPUB; USPAT	ADJ	ON	2008/04/23 16:09
S9	267	stainless steel and (C or carbon) same (Si or silicon) same (Mn or manganese) same (P or phosphorus) same (S or silicon) same (Cr or chromium) same (Ni or nickel) same (Mo or molybdenum) same (V or vanadium) same (N or nickel) same (O or oxygen)	US-PGPUB; USPAT	ADJ	ON	2008/04/23 16:10
S10	149	420/61.ccls.	US-PGPUB; USPAT	ADJ	ON	2008/04/23 16:10
S11	1	("20070074793").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/04/23 16:13

S12	2	("1179380").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/12/15 16:39
S13	9	("1179380").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/12/15 16:39
S14	2	"2003127162"	US-PGPUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2008/12/15 16:53
S15	1	"20030127162"	US-PGPUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2008/12/15 16:53
S16	88	seamless and (C or carbon) same (Si or silicon) same (Mn or manganese) same (P or phosphorus) same (S or silicon) same (Cr or chromium) same (Ni or nickel) same (Mo or molybdenum) same (V or vanadium) same (N or nickel) same (O or oxygen)	US-PGPUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2008/12/16
S17	231	seamless and (C or carbon) same (Si or silicon) same (Mn or manganese) same (Cr or chromium) same (Ni or nickel) same (Mo or molybdenum) same (V or vanadium) same (N or nickel)	US-PGPUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2008/12/16 10:51
S18	110	seamless and (C or carbon) same (Si or silicon) same (Mn or manganese) same (Cr or chromium) same (Ni or nickel) same (Mo or molybdenum) same (V or vanadium) same (N or nickel) and oil	US-PGPUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2008/12/16 10:51
S19	1	"20060243354"	US-PGPUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2008/12/16 10:52

S20	1	"2002004009"	US-PGPUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2008/12/16 11:33
S21	153	420/61.ccls.	US-PGPUB; USPAT	ADJ	ON	2008/12/16 11:56
S22	680	148/325.ccls.	US-PGPUB; USPAT	ADJ	ON	2008/12/16 11:56
S23	103	148/909.ccls.	US-PGPUB; USPAT	ADJ	ON	2008/12/16 11:56
S24	5	S18 and (S21 S22 or S23)	US-PGPUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2008/12/16 11:56
S25	20	S18 and (S21 or S22 or S23)	US-PGPUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2008/12/16 11:57
S26	88	seamless and (C or carbon) same (Si or silicon) same (Mn or manganese) same (P or phosphorus) same (S or sulfur) same (Or or chromium) same (Ni or nickel) same (Mo or molybdenum) same (V or vanadium) same (N or nickel) same (O or oxygen)	US-PGPUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2008/12/16 11:57
\$27	127	seamless and (C or carbon) same (Si or silicon) same (Mn or manganese) same (Cr or chromium) same (Ni or nickel) same (Mo or molybdenum) same (V or vanadium) same (N or nickel) and oil	US-PGPUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2009/08/04 15:08
S28	163	420/61.ccls.	US-PGPUB; USPAT	ADJ	ON	2009/08/04 15:08
S29	693	148/325.ccls.	US-PGPUB; USPAT	ADJ	ON	2009/08/04 15:08
S30	104	148/909.ccls.	US-PGPUB; USPAT	ADJ	ON	2009/08/04 15:08
S31	5	S27 and (S28 S29 or S30)	US-PGPUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2009/08/04 15:08

S32	23	S27 and (S28 or S29 or S30)	US-PGPUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2009/08/04 15:08
\$33	95	seamless and (C or carbon) same (Si or silicon) same (Mn or manganese) same (P or phosphorus) same (S or sulfur) same (Cr or chromium) same (Ni or nickel) same (Mo or molybdenum) same (V or vanadium) same (N or nickel) same (O or oxygen)	US-PGPUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2009/08/04 15:08
\$34	254	seamless and (C or carbon) same (Si or silicon) same (Mn or manganese) same (Cr or chromium) same (Ni or nickel) same (Mo or molybdenum) same (V or vanadium) same (N or nickel)	US-PGPUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2009/08/04 15:22
<b>S</b> 35	86	S34 and (ferri\$3) and (martensit\$3) and (austenit\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2009/08/04 16:00
\$36	95	seamless and (C or carbon) same (Si or silicon) same (Mn or manganese) same (P or phosphorus) same (S or silicon) same (Cr or chromium) same (Ni or nickel) same (Mo or molybdenum) same (V or vanadium) same (N or nickel) same (O or oxygen)	US-PGPUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2009/08/04 16:01
S37	45	S36 and (ferri\$3) and (martensit\$3) and (austenit\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2009/08/04 16:02
S38	2	"20040168750"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2010/03/22 16:07

<b>S</b> 39	2	"2001179485"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2010/03/22 16:17
S40	6	"5171384"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2010/03/22 17:07
S41	26	"3519419"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2010/03/22 17:18
S42	946	420/61,69,70.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO	S-PGPUB; ADJ SPAT; SOCR; EPO;		2010/03/23 14:03
S43	1083	148/325,909.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2010/03/23 14:03
S44	1859	S42 or S43	US-PGPUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2010/03/23 14:03
S45	225	seamless and (C or carbon) same (Si or silicon) same (Mn or manganese) same (Or or chromium) same (Ni or nickel) same (Mo or molybdenum) same (V or vanadium) same (N or nitrogen)	US-PGPUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2010/03/23 14:04
S46	39	S44 and S45	US-PGPUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2010/03/23 14:05
S47	88	S45 and ferrit\$3 and austenit\$3 and martensit \$3	US-PGPUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2010/03/23 14:05
S48	33	S46 and ferrit\$3 and austenit\$3 and martensit \$3	US-PGPUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2010/03/23 14:05
S49	110	S45 and oil	US-PGPUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2010/03/23 14:06

S50	67	(S47 or S48) and oil	US-PGPUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2010/03/23 14:06
S51	86	(S47 or S48) and (pipe or tube)	US-PGPUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2010/03/23 14:06
S52	271	seamless and (C or carbon) same (Si or silicon) same (Mn or manganese) same (Cr or chromium) same (Ni or nickel) same (Mo or molybdenum) same (V or vanadium) same (N or nickel)	US-PGPUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2010/03/23 14:11
S53	221	S45 and (pipe or tube)	US-PGPUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2010/03/23 14:12

## **EAST Search History (Interference)**

Ref#	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S54	416	420/61,69,70.ccls.	USPAT; UPAD	ADJ	ON	2010/03/23 14:08
S55	672	148/325,909.ccls.	USPAT; UPAD	ADJ	ON	2010/03/23 14:08
<b>S</b> 56	67	seamless and (C or carbon) same (Si or silicon) same (Mn or manganese) same (Cr or chromium) same (Ni or nickel) same (Mo or molybdenum) same (V or vanadium) same (N or nitrogen)	USPAT; UPAD	ADJ	ON	2010/03/23 14:08
S57	16	(S54 or S55) and S56	USPAT; UPAD	ADJ	ON	2010/03/23 14:08
S58	66	S56 and (pipe or tube)	USPAT; UPAD	ADJ	ON	2010/03/23 14:10
S59	37	S56 and oil	USPAT; UPAD	ADJ	ON	2010/03/23 14:11

3/23/2010 2:13:00 PM

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